1 CLAIMS

- 2 1. A method of handling a telephone call with an associated data package over a telephone
- 3 system having a pair of first lines and a pair of second lines with limited carrying capacity
- 4 bandwidth in a given time period comprising the steps of:
- a) generating at least one first data from at least one first data generator;
- b) generating at least one second data from at least one second data generator;
- 7 c) prioritizing the at least one first data relative to the at least one second data so that
- 8 the at least one first byte digital data is given priority;
- 9 d) determining the bandwidth required for transmission of the at least one first data;
- e) preferentially sending the at least one first data within the bandwidth associated
- 11 therewith on the first lines;
- f) using bandwidth as available to include the at least one second digital data.
- 13 2. The method of claim 1 wherein the step of prioritizing further comprises:
- a) the first data is of at least one first type and wherein the at least one second data is of
- at least one second type setting a protocol for electing the at least one first data type over the at
- least one second data type;
- b) automatically prioritizing the data based on the parameter;
- 18 3. The method of claim 1 wherein the step of generating comprises the steps of:
- a) selecting at least one reader means to receive the data;
- b) reading data fed into the reader.
- 21 4. The method of claim 3 wherein the reader is from the group consisting of voice, picture,
- bio-marker, card holder information, DNIS and ANI call data, and combinations thereof.

- 1 5. The method of claim 4 further comprising the steps of:
- 2 (a) creating at least one circuit board having a CPU with instructions;
- 3 (b) connecting the readers to the circuit board;
- c) and wherein the step of prioritizing comprises the step of the CPU following its
- 5 instructions to prioritize the data.
- 6 6. The method of claim 3 wherein at least one reader hears is a phone means.
- 7 7. The method of claim 1 further comprising the steps of:
- 8 (a) selecting the most efficient form for transmission of the data;
- 9 (b) converting the at least one first data and at lest one second data to a digitized forms
- 10 corresponding to the most efficient data type for transmission.
- 11 8. The method of claim 2 wherein the step of prioritizing comprises the steps of:
- (a) determining the amount of data to store;
- (b) storing data which is not ready to send;
- c) prioritizing data to be stored
- 15 9. The method of claim 8 wherein the step of prioritizing further comprises:
- 16 (a) separating the date into bytes;
- (b) determining the size of bytes;
- c) packaging the bytes to be sent;
- (d) attaching at least one common marker to each data made up of digital data bits;
- (e) streaming data into bytes with the marker;
- 21 10. The method of claim 9 wherein the marker is associated with two types of data
- 22 generation.

The method of claim 10 wherein the marker is associated with the beginning and ending 11. 1 time of the call. 2 12. The method of claim 9 further comprising the steps of: 3 (a) retrieving the data at a remote location; 4 (b) separating the data by type; 5 c) maintaining the data with the marker for at least one data type; 6 (d) using the time marker to maintain the time order of the data for later transmission and 7 8 alignment of different data types; (e) determining the best method for transmitting data; 9 10 (f) sending the data by at least one, and preferably a plurality, of transmission data 11 streams. 12 13. The device of claim 1 further comprising the steps of: (a) selecting a digitized format for transmission for each data; 13 14 (b) converting the data to the digitized format selected determined by having wave type data converted into signals which are given a value (0 or 1) as a bit; 15 16 (c) determining the amount of data to store; (d) storing data which is not ready to send; 17 18 (e) prioritizing data to be stored; (f) attaching at least one time reading to each data byte made up of digital data bits; 19 20 (g) attaching a time reading for each predetermined period which time reading may be separated out (as separated byte); 21 (h) providing a remote clock to allow the remote clock to be kept in time with the local 22

- 1 phone clock;
- 2 (i) sending the data;
- 3 (j) retrieving the data out of the data stream;
- 4 (k) separating the data by type based on the time marker;
- 5 (1) re-ordering the data based on the time from the remote clock;
- 6 14. The method of claim 1 wherein the step of sending data includes multiplexing the data
- 7 by moving the data in both directions on the first lines.
- 8 15. The method of claim 6 further comprising using several frequencies on the same channel
- 9 to transmit several different streams of data, from different readers, simultaneously.
- 10 16. The method of claim 15 further comprising the step of providing multiple streams of data
- which streams of data include sampling for data assigned to a particular location on the data
- 12 stream.
- 13 17. The method of claim 7 wherein the step of converting further comprises the step of
- 14 combining two or more data into a single signal for sending.
- 15 18. I claim a device for generating telephone data comprising:
- A first phone device comprising a handset means for accepting and generating electromagnetic
- voice signals, a circuit board electronically connected to the handset means, at least one input
- means for receiving digital data and delivering the digital data directly to the circuit board from
- 19 the input means electronically connected to the circuit board; a processing means for generating
- an associating marker to the voice signals and digital data, prioritizing the data in terms of
- 21 importance, and communicating the data according to the importance; a phone line means having
- a first end electronically connected to the circuit board for receiving the signals and digital data

- 1 from the phone line means and carrying remote digital signals to the processor means said phone
- 2 line means having a second end;
- 3 a cpu means connected to the phone line second end for accepting the signals and digital data
- 4 from the phone line means and processing the signals into a completed telephone call and
- 5 processing the digital data into digital information available for examination.
- 6 19. The device of claim 18 wherein the processing means further comprises a means for
- 7 determining the desired for the digital data and a formatting means for formatting the data into
- 8 a signal according to the determination of the processing means.
- 9 20. The device of claim 18 wherein the input means is from from the group comprising at
- least one video input device, at least one user identifier comprised of a biometric thumbprint
- 11 reader, at least one digital station information identifier, a microphone means for listening, a
- video means for recording video images, a card reader means for obtaining data from a card, a
- 13 biological marker reader and combinations thereof.
- 14 21. The device of claim 18 wherein the processor and cpu further comprise a call regulating
- means for notifying of the termination or suspension of data due to priority.
- 16 22. A phone hook indicator means working with a phone service comprising a phone device
- comprising a handset means for accepting and generating electromagnetic voice signals having
- 18 a magnet element, a circuit board electronically connected to the handset means, at least one input
- means for receiving digital data electronically connected to the circuit board; a magnetic sensor
- 20 means for sensing the presence of the magnetic element and generating a presence signal showing
- 21 the presence of the magnetic element attached to the circuit board and a processor means
- 22 electronically connected to the circuit board means for receiving the presence signal and for

1	receiving handset signals and transmitting the signals to complete the call to the phone service.
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